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UTILITY PATENT APPLICATION TRANSMITTAL <small>(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))</small>	Attorney Docket No.	2434.120
	First Inventor or Application Identifier	Francisco, et. al.
	Title	SYSTEM AND METHOD FOR CAUSING MULTIPLE...
	Express Mail Label No.	

APPLICATION ELEMENTS <small>See MPEP chapter 600 concerning utility patent application contents.</small>	ADDRESS TO: Assistant Commissioner for Patents Box Patent Application Washington, DC 20231
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2. <input checked="" type="checkbox"/> Specification [Total Pages 43] <small>(preferred arrangement set forth below)</small> <ul style="list-style-type: none">- Descriptive title of the invention- Cross References to Related Applications- Statement Regarding Fed sponsored R & D- Reference to Microfiche Appendix- Background of the invention- Brief Summary of the invention- Brief Description of the Drawings (if filed)- Detailed Description- Claim(s)- Abstract of the Disclosure	7. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) <ul style="list-style-type: none">a. <input type="checkbox"/> Computer Readable Copyb. <input type="checkbox"/> Paper Copy (identical to computer copy)c. <input type="checkbox"/> Statement verifying identity of above copies
3. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets 8]	ACCOMPANYING APPLICATION PARTS 8. <input type="checkbox"/> Assignment Papers (cover sheet & document(s)) 9. <input type="checkbox"/> 37 C.F.R. § 3.73(b) Statement <input type="checkbox"/> Power of Attorney <small>(when there is an assignee)</small> 10. <input type="checkbox"/> English Translation Document (if applicable) 11. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input checked="" type="checkbox"/> Copies of IDS Citations 12. <input type="checkbox"/> Preliminary Amendment 13. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) <small>(Should be specifically itemized)</small> 14. <input type="checkbox"/> Small Entity Statement(s) <input type="checkbox"/> Statement filed in prior application, Status still proper and desired <small>(PTO/SB/09-12)</small> 15. <input type="checkbox"/> Certified Copy of Priority Document(s) <small>(if foreign priority is claimed)</small> 16. <input checked="" type="checkbox"/> Other: This application being filed according to Rule 53....
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SYSTEM AND METHOD FOR CAUSING MULTIPLE PARTIES
TO BE PAID FROM A SINGLE CREDIT CARD TRANSACTION

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This application is a continuation-in-part (CIP) of U.S. Application Serial No. 09/195,105, filed Nov. 18, 1998, which is a CIP of 08/726,928, filed 10/3/96, which is a CIP of 08/438,890, filed May 10, 1995 (Patent No. 5,799,283, the disclosures of which are all hereby incorporated herein by reference.

SYSTEM AND METHOD FOR CAUSING MULTIPLE PARTIES
TO BE PAID FROM A SINGLE CREDIT CARD TRANSACTION

10 This invention relates to a system for automatically forwarding retail sales transaction information and corresponding sales tax data from individual retailers to a centrally located remote location such as a government taxing authority using a tax register. More
15 particularly, this invention relates to a system and method for ensuring that substantially all retail transactions upon which sales tax is collected are reported to and collected sales tax is paid over to government authorities for subsequent annual tabulation
20 and submission to the IRS, the system and method utilizing a tax register disposed at each retail location

and central computers and memories disposed at state and federal offices.

BACKGROUND OF THE INVENTION

The tax laws in the United States are set up so as
5 to require retailers throughout the country to report all transactions made with consumers. For example, each time an appliance retailer sells a refrigerator or television to a consumer, the retailer is required to report the transaction and the amount of sales tax collected to
10 state and/or federal government authorities for tax purposes. Unfortunately, many retailers (e.g. appliance stores, restaurants, furniture stores, automobile dealers, tour services, computer venders, etc.) do not report each and every cash transaction made with
15 consumers to the state and/or federal governments, either intentionally or unintentionally. By not reporting all (e.g. cash) transactions, retailers avoid declaring their actual total gross income in their federal and state income tax returns thus putting themselves in a position
20 to keep the sales tax collected from consumers on such transactions for their own enrichment.

Most states throughout the United States have legislated a percentage based sales tax on retail goods sold to consumers. Sales tax rates and the items taxed vary from state to state. In most states, a Certificate
5 of Authority is issued by the state government to retail establishments, this certificate authorizing retailers to collect sales tax from public consumers and then, in turn, pay over all collected sales tax proceeds to the state treasury. When cash transactions occur or
10 inadequate records are kept, retailers sometimes fail to report the transactions and do not turn over the sales tax collected thereon. This, of course, adds up to a significant loss for state and federal treasuries as more and more retailers accidentally forget or neglect to
15 report transactions and turn over the resulting collected sales tax.

Currently, most individual states employ numerous auditors whose job it is to monitor and enforce proper reporting of sales tax transactions and the corresponding
20 turning over of sales tax collected by retailers to the state treasury. Such auditors travel from retailer to retailer thereby visiting numerous retailer

establishments at which the auditors "check the books and records" of the retailers for error (intentional or unintentional). In the event that an unreported cash transaction occurs or the paperwork is unavailable, the
5 unreported transaction is undetectable and the auditor is at a loss to enforce the particular tax laws at issue.

Currently, tax laws and retailers are set up so that retailers typically charge the required sales tax in most consumer transactions. Generally, retailers are
10 collection agents for the government who collect, hold, and use for extended periods of time collected tax money which belongs to the government. However, consumers and state taxing authorities have no way to verify that all transactions made by the retailer and sales tax dollars
15 collected thereon are reported to the state treasuries. In other words, retailers are currently on an "honor system" requiring them to report all retail sales to the proper authorities and pay over the corresponding sales tax amounts collected thereon. Unfortunately, as with
20 all "honor systems", the reporting of some transactions goes unreported, either intentionally or unintentionally, thereby resulting in both retailer unjust enrichment and

tax law unenforceability. The consumer has no way of knowing if the collected sales tax is being turned over to the appropriate authorities.

With the advent of the Internet, e-commerce and
5 electronic shopping, more and more retailers, brokers, agents, and auctioneers are selling each other's products or services on which they earn commissions, fees, royalties, and the like. Keeping track of all such payments due to parties to or relating to a transaction,
10 of keeping track of all payments due from another party becomes complex in many instances. Moreover, the time delay in making such third party payments slows cashflow of those entitled to receive the same. In sum, record keeping involved with accounting for all of these third
15 party payments and the actual paper work and check writing involved may be costly and time consuming. Thus, there exists a need in the art for a point of sale credit card payment system for allowing multiple payments to be made to various payees from a single (or multiple in
20 certain embodiments of this invention) credit card transaction or any other type of electronic payment.

It is apparent that there exists a need in the art for a system and method which eases the paperwork burden, accelerates cash flow and reduces the need for keeping track of third party payments. Additionally, it is
5 apparent from the above that there exists a need in the art for a system and corresponding equipment and method to be implemented which increases the percentage of retailer transactions and collected sales tax forwarded to state and federal government agencies. By ensuring
10 that a larger percentage of retail transactions are reported to taxing authorities and that a greater amount of the overall sales tax collected by retailers is paid over to state treasuries, local and federal economies can be more efficiently run and a lesser number of violators
15 will slip through the cracks. It is also desirable that such a system and method have the flexibility for adaptation to other types of taxing of goods and services such as, but not limited to, a potential value added tax system.

20 U.S. Patent No. 5,335,169 discloses a system for tracking multiple rate assessments on transactions. The '169 patent discloses a computerized system for tracking

multiple rate assessments on transactions with customers of a user of the system and includes a computer having a processing unit, memory storage, input, display, and other programmable devices. The object of the '169

5 patent is to implement a system capable of automatically tracking appropriate sales tax rates, sales types, and taxing jurisdictions for the user based upon a limited set of transaction designations. While the system of the '169 patent enables the user to keep track of appropriate
10 sales tax rates, sales types, etc., the system does not act to ensure that all retailer transactions and sales tax collected thereon are reported and forwarded to the appropriate authorities.

U.S. Patent No. 5,138,549 discloses an automated tax
15 deposit processing system for automatic processing of payroll, corporate profit, and excise taxes. A depositor, via a computer link, engages in a question and answer exchange with one of a multiple number of voice synthesizers connected to a processor, in accordance with
20 the '549 patent. Through the exchange, the depositor enters tax deposit information which the processor stores in its memory. At the end of a particular time period,

the processor stores tax deposit information relating to
tax deposits due the same day on a storage medium in
format(s) predefined by the government agency. The
processor also stores tax deposit information entered
5 during the specified time period on a second storage
medium so as to enable a bank to automatically transfer
tax deposits from each depositors account to a bank
account. The system of the '549 patent also includes
remote communication terminals connected by links to the
10 processor through which information on depositors and tax
deposit due dates is entered. While the system of the
'549 patent decreases lobby traffic in banks and
personnel time involved in accepting and processing tax
deposits, it does not function as does the instant system
15 and method to automatically ensure that substantially all
retail transactions and sales tax collected thereon are
automatically reported and forwarded to the appropriate
state and/or federal authorities.

U.S. Patent No. 4,144,567 discloses an electronic
20 register which enables tax-calculating data to be stored
in a memory. In a registration mode, amounts of articles
bought by a customer or consumer are stored in the memory

of an electronic circuit to calculate a total amount of all articles sold. The total amount calculated is printed on a receipt and a journal sheet. In a tax set mode, tax data showing the relationship between a taxable
5 amount and a tax assessable thereon is stored in a tax data memory by operation of an entry key and tax key. Tax determined is stored in a buffer register so that after calculation of a tax by the tax calculation circuit, a print instruction is given which impresses the
10 calculated tax stored in the buffer register. Later, the contents of the buffer and those of the sales amount memory are added together and stored in a memory. While the register of the '567 patent discloses a useful register for retailers, it does not act to automatically
15 or ensure that all retail transactions and sale tax collected thereon are reported and forwarded to the appropriate authorities.

Conventionally, sales taxes are collected when goods are purchased and delivered into the same State (e.g. New
20 Jersey). "Use tax" is supposed to be paid by buyers when same take delivery by parcel post in the buyer's home state (i.e. across state lines). Unfortunately, buyers

often do not pay the required "use tax" given such
circumstances. For example, if a buyer purchased a
computer from a company in New York and it was shipped to
Virginia, via UPS, the seller would not collect New York
5 sales tax. However, the buyer is legally obligated to go
to the Virginia Tax Office and pay a six percent (6%) use
tax to the State of Virginia. Millions, and possibly
billions, of dollars are lost annually in unpaid "use
tax". This problem is magnified in situations where
10 sales are made via the Internet and the like.

It is a purpose of this invention to fulfill any or
all of the above-described needs, as well as other needs
apparent to the skilled artisan from the following
detailed description of this invention.

15

SUMMARY OF THE INVENTION

An object of this invention is to fulfill any or all
of the above described needs in the art.

Generally speaking, this invention fulfills any or
all of the above-described needs in the art by providing
20 a system for making payments to a plurality of third

party payees from a single credit card purchase in which
a credit card is used, the system comprising:

at least one computer located at a merchant or
retailer location, the computer including software
5 therein for calculating commissions and other fees due to
third parties from a credit card purchase;

said at least one computer including means for
causing multiple party payment information indicating to
whom payments are due from the credit card purchase to a
10 credit card company; and

means for enabling one of the credit card company
and the at least one computer to pay fees due to a
plurality of third parties from the credit card purchase
based upon the multiple party payment information
15 received by the credit card company from the merchant or
retailer.

In certain embodiments, a communication link
connects the at least one computer to the credit card
company, the link permitting the at least one computer to
20 instruct the credit card company to make multiple
payments to parties related to the transaction.

The credit card company may include one of an issuing bank, an acquiring processor, and a receiving bank.

In certain embodiments, the at least one computer
5 includes means for accessing an account of the customer via the credit card company and debiting an amount of price of sale, tax and fees, and means for automatically crediting accounts of the seller and third parties by amounts owed them relating to the purchase.

10 This invention further fulfills any or all of the above described needs in the art by providing a method of making payments to a plurality of third party payees from a single credit card purchase in which a credit card is used, the method comprising the steps of:

15 a consumer initiating a credit card transaction purchasing goods or services from a merchant or retailer using a credit card via a packet switched data network such as the Internet;

at least one computer at a location of the merchant
20 or retailer, the at least one computer totaling price of the goods or services, taxes thereon, freight and other fees, thereby resulting in a total price;

charging the total price to the consumer's credit card, thereby completing the credit card transaction;

the at least one computer determining commissions, taxes, freight, and other fees due to third parties for
5 the transaction; and

the at least one computer causing multiple payment instructions to be forwarded to a credit card company, the multiple payment instructions being indicative of third parties to whom payment amounts are owed for the
10 transaction.

In certain embodiments, the credit card company causing the third parties to be paid amounts owed to them for the transaction, based upon the multiple payment instructions from the at least one computer.

15 This invention will now be described with reference to certain embodiments thereof as illustrated in the following drawings.

IN THE DRAWINGS

Figure 1 is a block diagram flow chart of an
20 electronic point of sale tax reporting and automatic

collection system according to a first embodiment of this invention.

Figure 2 illustrates a consumer receipt to be printed from a retailer register according the first
5 embodiment of this invention.

Figure 3(a) is a block diagram of components of the system according to the first embodiment of this invention set forth in Figures 1-2.

Figure 3(b) is a flow chart illustrating a way in
10 which the retailer register of the first embodiment may process and forward retailer transactions and collected sales tax data to a government office.

Figure 4 is a block diagram flow chart of a manual point of sale tax reporting and collection system
15 according to a second embodiment of this invention, this second embodiment utilizing a declining register to be used by the retailer in order to ensure efficient sales tax collection by government authorities.

Figure 5 is a flow chart according to the Figure 4
20 embodiment to this invention, this Figure illustrating the manner in which the declining register operates in

order to print consumer receipts indicating the amount of sales tax collected by the retailer from the consumer.

Figure 6 is a flow chart/block diagram according to an embodiment of this invention wherein tax (e.g. "use tax") on sales made over the Internet, catalog, world wide web, direct mail, etc. is automatically charged to the buyer and reported to the IRS and forwarded to the appropriate State Treasury.

Figure 7 is a block diagram/flowchart illustrating another embodiments of this invention where a computer located at a retailer or merchant location calculate multiple payments owed to different third parties from a single credit card transaction, and causes each of those third parties to be paid amounts owed to them.

DETAILED DESCRIPTION OF
CERTAIN EMBODIMENTS OF THIS INVENTION

Referring now more particularly to the accompanying drawings in which like reference numerals indicate like parts and steps throughout the several views.

Figure 1 is a block diagram/flow chart of an electronic point of sale tax reporting and automatic collection system according to a first embodiment of this

invention. The system and method as set forth in Figures 1-3 begins at retailer location 10 with the consumer at step 3 where the consumer purchases an item (good or service) from the retailer and pays the appropriate sales tax due on the transaction. When the consumer brings an item to be purchased to retailer check-out register 8, the retailer rings up the sale amount in step 5 by way of the register. Register 8 in step 5 calculates the total sale amount including the cost of the good or service being purchased and the sales tax due on the transaction. The retailer informs the consumer of the total cost of the transaction and the consumer subsequently pays both the sales price and the sales tax due to the retailer. After the retailer is paid, the retailer issues receipt 6 (see Figure 2) to the consumer in step 7. Consumers are educated regarding the importance of asking for receipt 6 so as to ensure that the retailer documents and reports the collected sales tax.

Register 8, which may be a combination conventional programmable electronic cash register and tax register, or alternatively a conventional electronic cash register connected to a separate and independent programmable

electronic tax register, processes and summarizes each transaction in step 9. In summarizing each transaction, register 8 processes the total amount of money received by the retailer from the consumer, this including the sales tax collected and the base transaction amount. Periodically, at the end of each day for example, register 8 causes a printer to output a summary list of all transactions in step 11, this list including a summed total of sales tax collected by the retailer as well as a sum total of base transaction money received from consumers by the retailer.

For example, register 8 may be a tax-modified (via chip, hardware, and/or software technology) Omron Vantage 7000 PC-based point-of-sale system which is a turnkey hardware solution built around an upgradeable 486SX 25 MHZ processor. The system has a POS keyboard with integrated credit card reader and bar code decoder, receipt printer, VGA monitor, and cash drawer. The software may be modified to perform the tax and retail tasks set forth herein.

Retailer register 8 is in communication with computer 13 which is disposed at remote location 12 as

set forth in Figure 3(a). Any type of conventional communication link (e.g. satellite, phone line, T1, microwave, fiber optic, etc.) may be disposed between register 8 and computer 13. Computer 13 may, for
5 example, be located at a state treasury office or other state government taxing authority. Register 8 forwards the amount of sales tax collected by the retailer to computer 13. Register 8 may either forward such sales tax data to computer 13 at the end of or during each
10 transaction, or alternatively it may sum sales tax collected and base transaction amounts collected and store them in memory 15 and then periodically (e.g. at the end of each day) output the summed totals to computer 13 in accordance with its programmed instructions.

15 Computer 13 receives the forwarded sales tax data and optionally the base transaction data from retailer register 8 in step 17 and stores this information in memory 19, memory 19 preferably being located at the same remote location 12 as computer 13. After computer 13
20 receives and stores the tax and transaction data, it accesses retailer bank account 21 in steps 23 and 25 for the purpose of debiting account 21 an amount equal to the

sales tax collected by the retailer from consumers (e.g. debit the amount collected the previous day). Computer 13 may access retailer bank account 21 periodically (e.g. on a daily basis), or alternatively after or during each sales transaction recorded and/or processed by register 8, this, of course, depending upon whether register 8 is forwarding the transaction and sales tax data to computer 13 in a periodic or immediate real time manner.

For retail operations where tips are customary the tax register 8 may be programmed to accept and report tip information to location 12. Accordingly, collected tip money is automatically reported to the taxing authorities.

After computer 13 accesses retailer bank account 21 in step 23, the account is charged in step 25 an amount corresponding to the retailer tax data received from register 8 by computer 13 and stored in memory 19. By accessing a bank or checking account of the retailer, the remote location 12 (e.g. state taxing authority) automatically receives from retailer account 25 in step 27 the amount of sales tax collected by the retailer thereby preventing the retailer from unintentionally not

turning over the collected tax to the appropriate authorities. Retail register 8 thus is caused to automatically report all sales transactions and sales tax collected by the retailer to computer 13 and memory 19.

5 When remote location 12 receives such transaction and sales tax data, it accesses retailer bank account 21 and causes the account to be debited an amount corresponding to the sales tax collected by the retailer. Conventional electronic fund transfer techniques may be utilized to
10 debit retailer account 21.

Computer 13 is also in communication with CPU 31 via any type of conventional communication link. CPU 31 is preferably located at another remote location 33, which is representative of the Internal Revenue Service (IRS)
15 according to certain embodiments of this invention.

Computer 13 summarizes and forwards all annual transaction data, and optionally sales tax data, to CPU 31 so that the IRS receives such information in step 35. Accordingly, the IRS is informed (via Form 1099) of the
20 retailer's annual total gross income thereby ensuring that the retailer efficiently and automatically declares all transactions for tax purposes. CPU 31 is in

communication with memory 37 so that consumer transaction and sales tax data can be stored at the IRS in memory 37 for later access. It is noted that local area networks (LANs) may be provided at locations 10, 12, and 33

5 thereby allowing the system to efficiently and quickly function via conventional computer communication techniques.

Conventional electronic data interchange (EDI) technology or network centric computing may be used for
10 the purpose of allowing register 8 to communicate with computer 13. Network centric computing allows the taxing authorities to record and collect the tax electronically. EDI is a known means of electronically exchanging information in a standard format from one computer to
15 another. EDI is easily implemented in mainframe, minicomputer, PC, and LAN environments. Using EDI, documents and/or other data are transferred from the sender's computer mailbox to that of the recipient, such documents or information (e.g. transaction data, sales
20 tax data, etc.) being either sent directly or through a value-added network (VAN). Value-added networks are typically third party provisions offering fee-based

services such as connections and protocol (e.g. TCP/IP) conversions, such networks routing each transaction to the appropriate electronic mailbox where the information stays until the other party downloads. Thus, EDI may be
5 used as a way in which it allows register 8 to forward all of its transaction and sales tax data to computer 13 located at the remote site 12. As will be recognized by those of skill in the art, EDI may also be utilized between computer 13 and CPU 31 so as to simplify and
10 efficiently manage the communication networks according to the different embodiments of this invention.

An optional feature of this embodiment is the provision of verifying computer 41 at location 12 for the purpose of allowing consumers and/or other interested
15 parties to verify that particular retailer transaction(s) were reported to locations 12 and 33 (e.g. state taxing authority and IRS respectively). For example, a consumer may verify in step 43 that his or her transaction was reported by the retailer to the appropriate authorities
20 by calling an 800 number in step 45. The 800 number provides the consumer access to verifying computer 41 by way of telephone line 49 so that via conventional DTMF

coding technology the consumer can request verification in step 51 that a particular transaction(s) has, in fact, been reported.

Figure 2 illustrates an exemplary receipt 6 which may be provided to the consumer from the retailer in step 5 7, receipt 6 being printed by retailer printer 59. As shown, customer or consumer receipt 6 has listed thereon the base sale amount 53, the amount of sales tax collected on the base transaction 55, and optionally a transaction number 57. Although not shown, the total 10 transaction cost may also be printed on the receipt, with the base transaction amount 53 and the sales tax collected 55 being summed together by register 8 to come up with the total amount of the transaction. Optionally 15 listed on the receipt is a telephone number which allows consumers to access verifying computer 41 in order to confirm that particular transactions (identified by transaction number 57) have been reported to the appropriate authorities as set forth above.

20 Retailer location 10, as illustrated in Figure 3(a), includes retailer register 8, memory 15, printer 59, credit card scanner 61, and optionally computer 63.

Retail register 8, made up of one or more registers, is connected to printer 59, with the printer either being integrally formed with the register or remotely located therefrom at the retailer location. Printer 59 operates
5 to print consumer receipt 6 in step 7 as well as to output summary lists of transaction and sales tax amounts for the retailer in step 11.

Conventional memory 15 is provided so that retailer register 8 can store and optionally sum base transaction
10 amounts 53, collected sales tax amounts 55, and total sale amounts (including the base transaction amount added to the receipt sales tax amount). Such transaction and sales tax data stored in memory 15 can then be
15 periodically accessed by register 8 and forwarded to computer 13.

Conventional credit card scanner 61, which is either integrally formed with register 8 or separate and independent with respect thereto, is provided so as to allow consumers to pay the retailer at location 10 by way
20 of credit or debit card in a known manner. Scanner 61 is in communication with credit card verifying source(s) 63 via conventional telephone line(s) so that scanner 61 may

check input credit card numbers to ensure their validity.
The "or" block 65 illustrated in Figure 3(a) is provided
so as to illustrate the fact that if credit card scanner
61 is separate and independent from register 8, then
5 scanner 61 is directly in communication with credit card
verifying source 63, but when scanner 61 and register 8
are integrally formed as one unit the register (and
scanner) is in communication with the verifying source
63.

10 Another optional feature according to this
embodiment is the provision of computer 63 at retailer
location 10. Depending upon the programmability of
register 8, it may be necessary for a retailer to be
provided with computer 63 for the purpose of processing
15 base transaction costs, total costs, sales tax data,
and/or storing and forwarding same to computer 13.

Although not illustrated, another option to this
embodiment is the provision of a plurality of mainframe
computers disposed throughout a state for example, such
20 mainframes being connected between computer 13 and the
numerous retailers 10 spread throughout the state. Each
mainframe when provided is responsible for gathering tax

data and consumer transaction data from retailers,
sorting the information and forwarding same to computer
13 at location 12. In such a manner, the burden placed
upon computer 13 with respect to receiving, sorting, and
5 storing transaction and tax data would be lessened with
the mainframes taking on much of this burden.

Figure 3(b) is a flow chart illustrating steps taken
by register 8 and computer 13. When a consumer purchases
an item from a retailer, the sales transaction data is
10 processed in step 67 and the sales tax calculated by
register 8 in 69. After payment is received by the
retailer from the consumer and receipt 6 is printed in
step 71, the transaction amount (absent sales tax) and
the sales tax paid on the transaction are each forwarded
15 by register 8 to computer 13 in step 73, register 8
having PC capabilities according to certain embodiments.

After computer 13 receives the transaction amount
data and sales tax data in step 73, computer 13 accesses
the memory slot within memory 19 designated for the
20 particular retailer identified. Computer 13 then causes
the transaction and sales tax data to be summed with like
data stored in that slot in step 75 so as to keep a

running tabulation on the amount of sales tax and transaction fees collected by that particular retailer.

Figures 4-5 are block diagram/flow charts of a manual point of sale tax reporting and automatic
5 collection system according to a second embodiment of this invention. According to this embodiment, a declining register, similar to a conventional Pitney-Bowes postage stamp meter, is utilized. The process begins in step 77 with the retailer taking its assigned
10 declining register to a government sales tax office or electronic credit machine. At such an office or machine, the retailer pre-pays the state a particular amount of sales tax credit, with the state then in step 79 crediting and stocking the retailer's declining register
15 with the amount pre-paid. Thus, the retailer leaves having prepaid a particular amount of sales tax in step 81, this amount not yet having been received by the retailer from consumers.

When a transaction occurs and a consumer purchases a
20 particular item upon which sales tax is to be collected, the consumer pays the sales tax in step 83 and thereafter the retailer issues an official tax receipt in step 85.

The declining register is used to "stamp" the amount of sales tax collected onto the receipt which is then given to the consumer. When the declining register prints the receipt, its balance declines in step 87 (as with
5 conventional declining postage meters) until finally, after a plurality of consumer purchases and retailer receipts stamps, the register zeros out in step 89. Thereafter, the retailer takes his declining register back to the sales tax office or electronic credit machine
10 and repeats step 77 and those following. Each time a retailer's declining register is credited with a particular pre-paid sales tax amount, the state stores and keeps a summary of all credited receipts and tax credits in step 91. Therefore, both the state and the
15 IRS are provided annually with the total sum of sales tax collected (i.e. credited) by each retailer in step 93.

Figure 5 is a block diagram/flow chart which more particularly illustrates the steps taken by the retailer using the declining register in the Figure 4 embodiment
20 of this invention. At every transaction upon which sales tax is to be paid, the declining register is first keyed for the particular sales tax collected on the base

transaction amount in step 95. In accordance with
conventional declining register devices, the sales tax
amount is deducted from the remaining balance in the
machine in step 97. The machine issues a sales tax paid
5 receipt in step 98, this receipt being imprinted with a
state owned indicia and indicating the amount of sales
tax collected by the retailer from the consumer. Receipt
99, which may or may not also include the total sale
amount and/or the base transaction amount, is attached to
10 the consumer's invoice in step 101.

Figure 6 is block diagram/flow chart according to an
embodiment of this invention wherein tax (e.g. "use tax")
on sales made over the Internet, catalog, world wide web,
direct mail, etc. 216, is automatically charged to the
15 buyer or customer, and reported to the IRS and forwarded
to the appropriate State Treasury based on the location
of the customer (i.e. where the goods are to be shipped).
As shown in Figure 6, when a buyer or customer wishes to
purchase a product over the Internet 216, for example,
20 the buyer or consumer first uses communication link 216
(e.g. packet switched digital data network) and makes the
purchase at 201 (e.g. via direct mail, catalog order,

Internet, etc.). After the consumer has made the purchase, the transaction (i.e. the purchase) is recorded on tax register 8 at the retailer location at 203.

Thereafter, tax register 8 calculates the sales tax or

5 "use tax" based on the destination of the goods at 205.

For example, if the consumer or buyer is located in

Virginia and the purchased goods are requested by the

consumer to be shipped there from a New York retailer,

tax register 8 at 205 calculates the Virginia use tax to

10 be charged against the consumer's account or credit card.

After this tax has been calculated at 205, the consumer

is given a receipt 7 via the Internet, direct mail, or

simply by regular U.S. Mail 216. After the tax has been

calculated at 205, the retailer ships the purchased goods

15 to the consumer and initiates a credit card transaction

at 207, given the fact that the consumer has purchased

the goods with a credit card. In step 207, tax register

8 instructs the system and coordinates the credit card

transaction via a modem which is in communication with

20 the credit card company. Thus, the credit card company

at 209 charges the credit card of the consumer with both

the sales price and the tax (e.g. use tax or just sales tax if the goods are not being shipped out-of-state).

Still referring to Figure 6, after the credit card transaction has been completed, the amount of the sale is
5 dispersed to the retailer at 211 via network 216 and tax register 8 reports the sales transaction to the State and/or IRS at 213. While tax register 8 reports to the State and IRS, the credit card company disperses the tax funds charged the consumer to the State and/or IRS at 214
10 via network 216. At 215, the appropriate State Treasury (e.g. Virginia) receives the tax calculated in step 205 over the Internet, modem, etc., while at step 35, the IRS receives the gross income summary form 1099 via network 216. Network 216 may be the Internet throughout the
15 entire Figure 6 system or, alternatively, may be partially the Internet (packet switched network) and otherwise via the public switched telephone network (PSTN) or the like.

In a manner consistent with Figure 6, appropriate
20 State and Federal Government Agencies automatically receive their tax information, including use tax and sales tax dollars, when consumers purchase goods or

products over the Internet, via catalog, direct mail,
televised shopping clubs, etc. 216 where enforcement of
"use tax" payment is otherwise difficult given
conventional systems. In sum, the Figure 6 system is an
5 improvement over the prior art which will permit
governments to save large quantities of tax dollars, and
will allow consumers and retailers to avoid costly tax
preparation.

In certain embodiments, the invention relates
10 to all purchases from consumers that use a credit or
debit card or any form of electronic payment. Anything
that is bought whether at the local store, over the phone
or through the mail or e-commerce, and a credit or debit
card is used to make payment, the tax may be charged to
15 the buyer at the point of sale and routed directly or
indirectly to the appropriate state bank (e.g. handling
the credit card account or the like) or other monetary or
tax authority. Thus, in certain embodiments, this
invention covers routing of any and all taxes (of all
20 kinds) from the point of sale or purchase directly from
the buyer to the government (or alternatively
indirectly). This may include interstate fuel taxes or

other tariffs and duties. Also included are credit cards, debit cards, checkfree systems and electronic fund transfers.

In certain embodiments of this invention, a credit
5 card payment and/or collection may be split up or divided into multiple segments or pieces. For example, a point of sale credit card payment system (e.g. see Fig. 7) can allow multiple payments to be made to various payees from a single credit card transaction or any other form of
10 electronic payment. Software, firmware, or hardware located at a consumer location or offsite determines the amount of commissions, travel agency fees, auction fees, or any other fees incidental to the transaction due to a third or other party. During the time of transaction
15 when payment is being made by a credit card or any other form of electronic payment the fees and/or payment(s) due to third party(ies) are separately identified and, based upon instructions from the software, are paid directly by the credit card company to those third parties entitled
20 to receive payment.

In this Figure 7 embodiment, payment is made to multiple payees from one or more credit card transactions

(from a single credit card transaction in certain preferred embodiments) or any other form of electronically generated payment. To begin with, the customer purchases a product or service at 301 via the Internet, direct mail, or any other type of remote electronic commerce. The customer is located remote from the merchant, but may communicate therewith via the Internet or the like. At step 302, a tax register or any other device (including software or firmware therein) computes commissions, royalties, license fees, and/or any other fee(s) due to third party(ies) from the purchase described above. These third party payments are identified, and made known to billing software in a computer (e.g. in computer 63 in Fig. 3(a) or a computer within tax register 5, 8). Billing software of the merchant in step 303 then computes the total price of the product or service purchased in step 301, plus any taxes, freight, or other fees, and then charges this total price to the customer's credit card in step 303. In step 304, the billing software creates multiple credits due to multiple different parties from this single credit card transaction, and instructs the credit card company to

make the various payments to the entities shown in Figure 7. For example, the credit card company may then pay the retailer or vendor 305 the amount due to it for the transaction, such payment being made by the credit card company via the Internet, mail, electronic mail, or any other suitable method. Based upon the same transaction, the credit card company may then also pay any royalty or licensing fees due to any third party 306, any commission fees due to any sales agent or broker 307, any use or sales tax due to any governmental agency at 308, and/or withhold taxes on tips charged to a credit card 309, in accordance with any embodiment described or shown herein. Each of these payments by the credit card company may be made via the Internet, mail, electronic mail, or any other suitable method.

In certain embodiments, merchants herein may be paid in real time commissions or the like that they are owed. In certain embodiments, the software at the merchant location can allow the merchant to be paid in approximately real time for any commissions of anything else due to it. Also, other third parties may also be

paid in real time for commission, royalties or other fees they are owed for the transaction.

For example, blank.com receives a 15% commission on airline tickets that it sells via the Internet to consumers who purchase them with a credit card. Thus, at least one computer at blank.com will total up the amount due to be paid by the consumer and charge that amount to the consumer's credit card (e.g. via the Internet, electronic mail, or any other method). If the total amount paid by the customer was \$100.00; then the computer at blank.com would calculate that blank.com was owed \$15.00 from the transaction. Thus, this system allows blank.com to collect its commission at the point of sale in some embodiments, thereby avoiding having to account for and pay over on the entire transaction. In certain embodiments, merchants herein may be paid in real time commissions or the like that they are owed.

Once given the above disclosure, therefore, various other modifications, features, or improvements will become apparent to the skilled artisan. Such other features, modifications, and improvements are thus

considered a part of this invention, the scope of which
is to be determined by the following claims.

1. A method of determining the scope of an invention, the scope of which is to be determined by the following claims.

WE CLAIM:

1 1. A system for making payments to a plurality of
2 third party payees from a single credit card purchase in
3 which a credit card is used, the system comprising:
4 at least one computer located at a merchant or
5 retailer location, the computer including software
6 therein for calculating commissions and other fees due to
7 third parties from a credit card purchase;
8 said at least one computer including means for
9 causing multiple party payment information indicating to
10 whom payments are due from the credit card purchase to a
11 credit card company; and
12 means for enabling one of the credit card
13 company and the at least one computer to pay fees due to
14 a plurality of third parties from the credit card
15 purchase based upon the multiple party payment
16 information received by the credit card company from the
17 merchant or retailer.

1 2. The system of claim 1, further comprising a
2 communication link connecting the at least one computer
3 to the credit card company, the link permitting the at

4 least one computer to instruct the credit card company to
5 make multiple payments to parties related to the
6 transaction.

1 3. The system of claim 2, wherein the credit card
2 company includes one of an issuing bank, an acquiring
3 processor, and a receiving bank.

1 4. The system of claim 1, wherein the at least one
2 computer includes means for accessing an account of the
3 customer via the credit card company and debiting an
4 amount of price of sale, tax and fees, and means for
5 automatically crediting accounts of the seller and third
6 parties by amounts owed them relating to the purchase.

1 5. A method of making payments to a plurality of
2 third party payees from a single credit card purchase in
3 which a credit card is used, the method comprising the
4 steps of:

5 a consumer initiating a credit card transaction
6 purchasing goods or services from a merchant or retailer

7 using a credit card via a packet switched data network
8 such as the Internet;

9 at least one computer at a location of the
10 merchant or retailer, the at least one computer totaling
11 price of the goods or services, taxes thereon, freight
12 and other fees, thereby resulting in a total price;

13 charging the total price to the consumer's
14 credit card, thereby completing the credit card
15 transaction;

16 the at least one computer determining
17 commissions, taxes, freight, and other fees due to third
18 parties for the transaction; and

19 the at least one computer causing multiple
20 payment instructions to be forwarded to a credit card
21 company, the multiple payment instructions being
22 indicative of third parties to whom payment amounts are
23 owed for the transaction.

1 6. The method of claim 5, further comprising the
2 credit card company causing the third parties to be paid
3 amounts owed to them for the transaction, based upon the

- 4 multiple payment instructions from the at least one
- 5 computer.

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ABSTRACT

A point of sale credit card payment system allowing multiple payments to be made to various payees from a single credit card transaction or any other form of electronic payment. Software, firmware, or hardware located at a consumer location or offsite determines the amount of commissions, travel agency fees, auction fees, or any other fees incidental to the transaction due to a third or other party. During the time of transaction when payment is being made by a credit card or any other form of electronic payment the fees and/or payment(s) due to third party(ies) are separately identified and, based upon instructions from the software, are paid directly by the credit card company to those third parties entitled to receive payment.

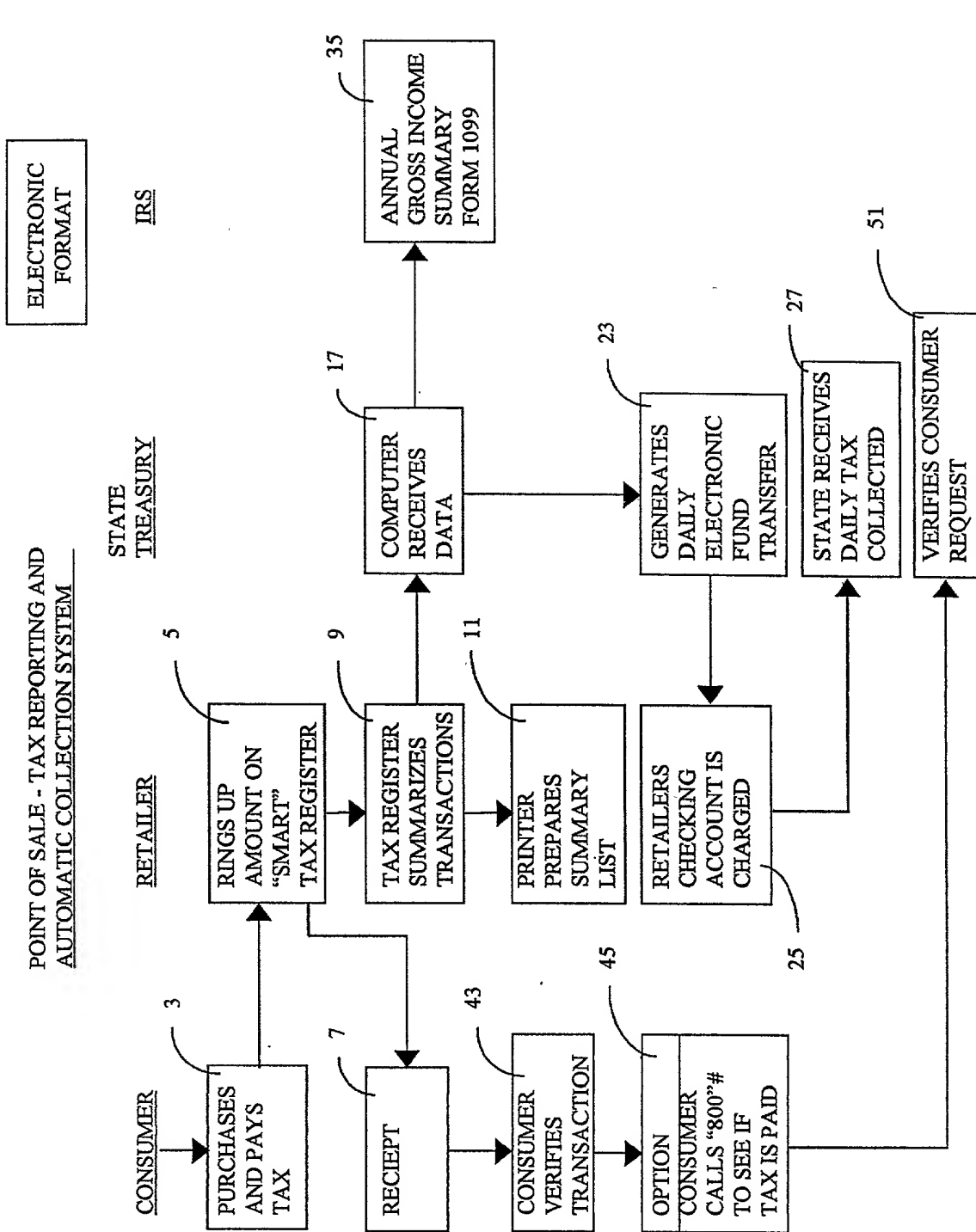


FIG. 1

Year	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100																																																		
Population	1000000	1050000	1100000	1150000	1200000	1250000	1300000	1350000	1400000	1450000	1500000	1550000	1600000	1650000	1700000	1750000	1800000	1850000	1900000	1950000	2000000	2050000	2100000	2150000	2200000	2250000	2300000	2350000	2400000	2450000	2500000	2550000	2600000	2650000	2700000	2750000	2800000	2850000	2900000	2950000	3000000	3050000	3100000	3150000	3200000	3250000	3300000	3350000	3400000	3450000	3500000	3550000	3600000	3650000	3700000	3750000	3800000	3850000	3900000	3950000	4000000	4050000	4100000	4150000	4200000	4250000	4300000	4350000	4400000	4450000	4500000	4550000	4600000	4650000	4700000	4750000	4800000	4850000	4900000	4950000	5000000	5050000	5100000	5150000	5200000	5250000	5300000	5350000	5400000	5450000	5500000	5550000	5600000	5650000	5700000	5750000	5800000	5850000	5900000	5950000	6000000	6050000	6100000	6150000	6200000	6250000	6300000	6350000	6400000	6450000	6500000	6550000	6600000	6650000	6700000	6750000	6800000	6850000	6900000	6950000	7000000	7050000	7100000	7150000	7200000	7250000	7300000	7350000	7400000	7450000	7500000	7550000	7600000	7650000	7700000	7750000	7800000	7850000	7900000	7950000	8000000	8050000	8100000	8150000	8200000	8250000	8300000	8350000	8400000	8450000	8500000	8550000	8600000	8650000	8700000	8750000	8800000	8850000	8900000	8950000	9000000	9050000	9100000	9150000	9200000	9250000	9300000	9350000	9400000	9450000	9500000	9550000	9600000	9650000	9700000	9750000	9800000	9850000	9900000	9950000	10000000

POINT OF SALE - TAX REPORTING AND AUTOMATIC COLLECTION SYSTEM

**CUSTOMER RECEIPT
FROM SMART
REGISTER**

RETAILER NAME LOCATION PHONE # SALES TAX ID #	STATE OWNED INDICIA AUTHENTICATES TRANSACTION
AMOUNT OF SALE \$XXXXXX	53
TAX COLLECTED \$XXXXXX	55
TRANSACTION #XXXXXXXXXX	57
	6

TO VERIFY YOUR
TRANSACTION CALL
1-800-9999

(follow menu instructions)

FIG. 2

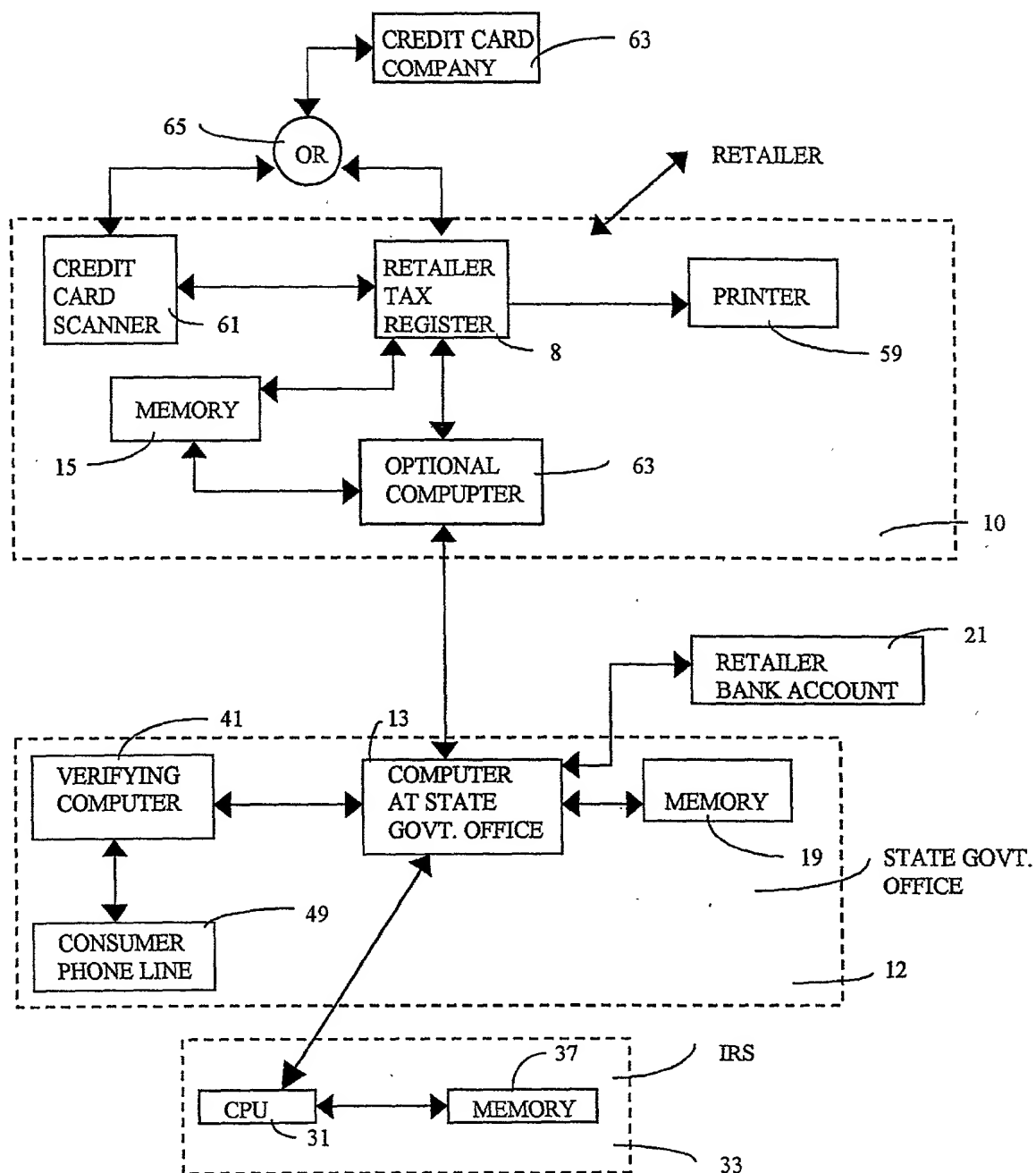


FIG. 3 (a)

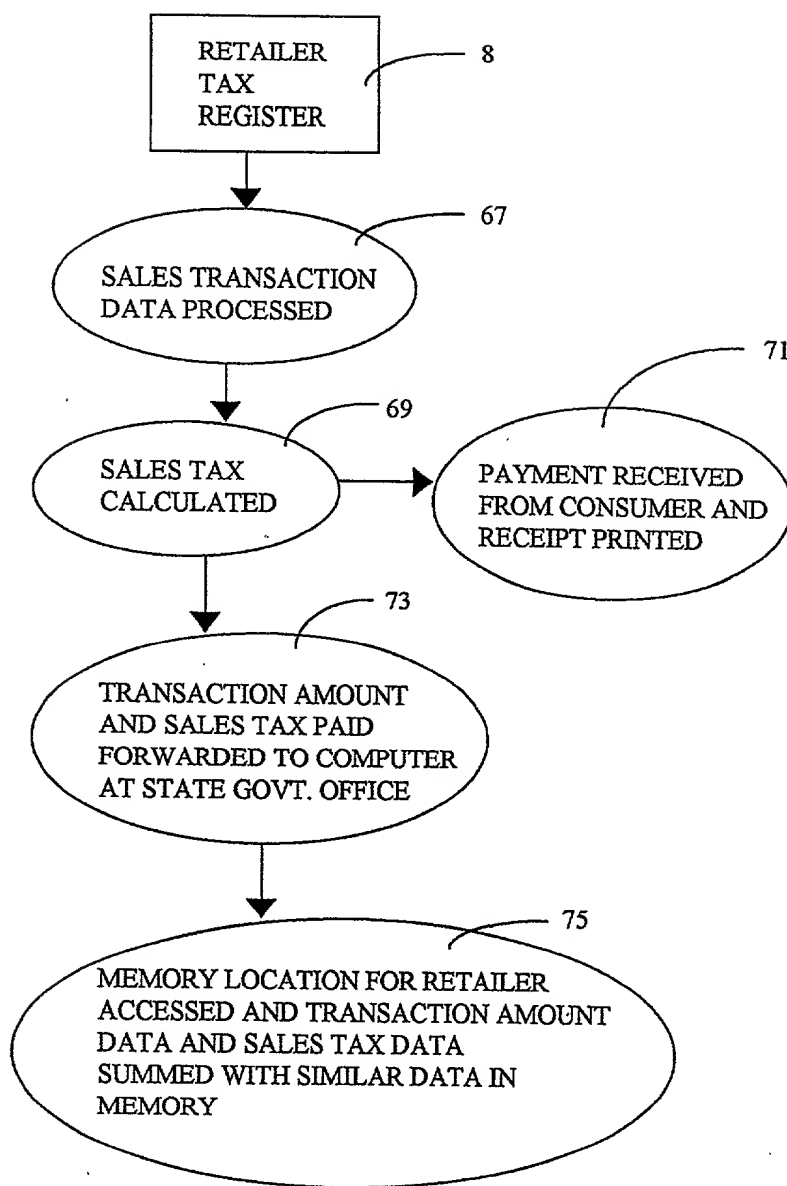


FIG. 3(b)

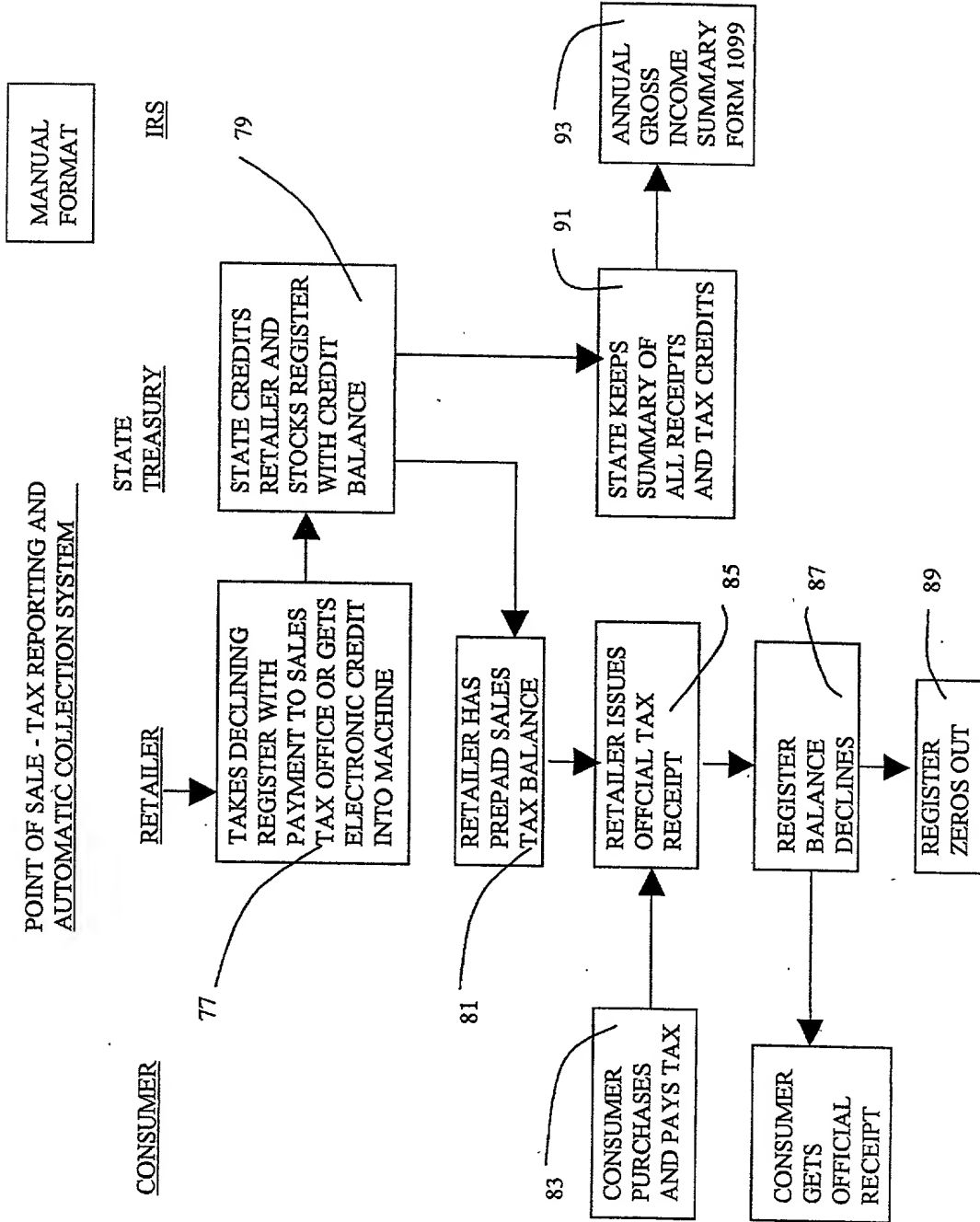


FIG. 4

POINT OF SALE - TAX REPORTING AND
AUTOMATIC COLLECTION SYSTEM

CUSTOMER
RECEIPT FROM
DECLINING
REGISTER

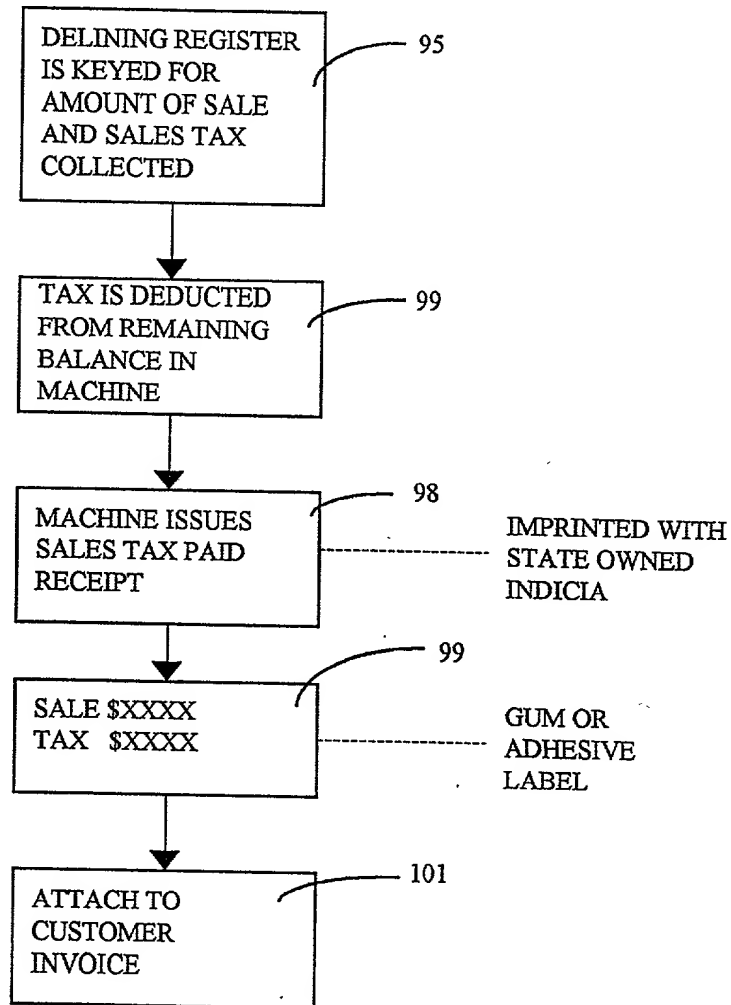


FIG. 5

POINT OF SALE - TAX COLLECTION SYSTEM FOR PURCHASES
MADE OVER THE INTERNET, WORLD WIDE WEB, BY DIRECT
MAIL AND CATALOG, AND TELEVISED SHOPPING CLUBS

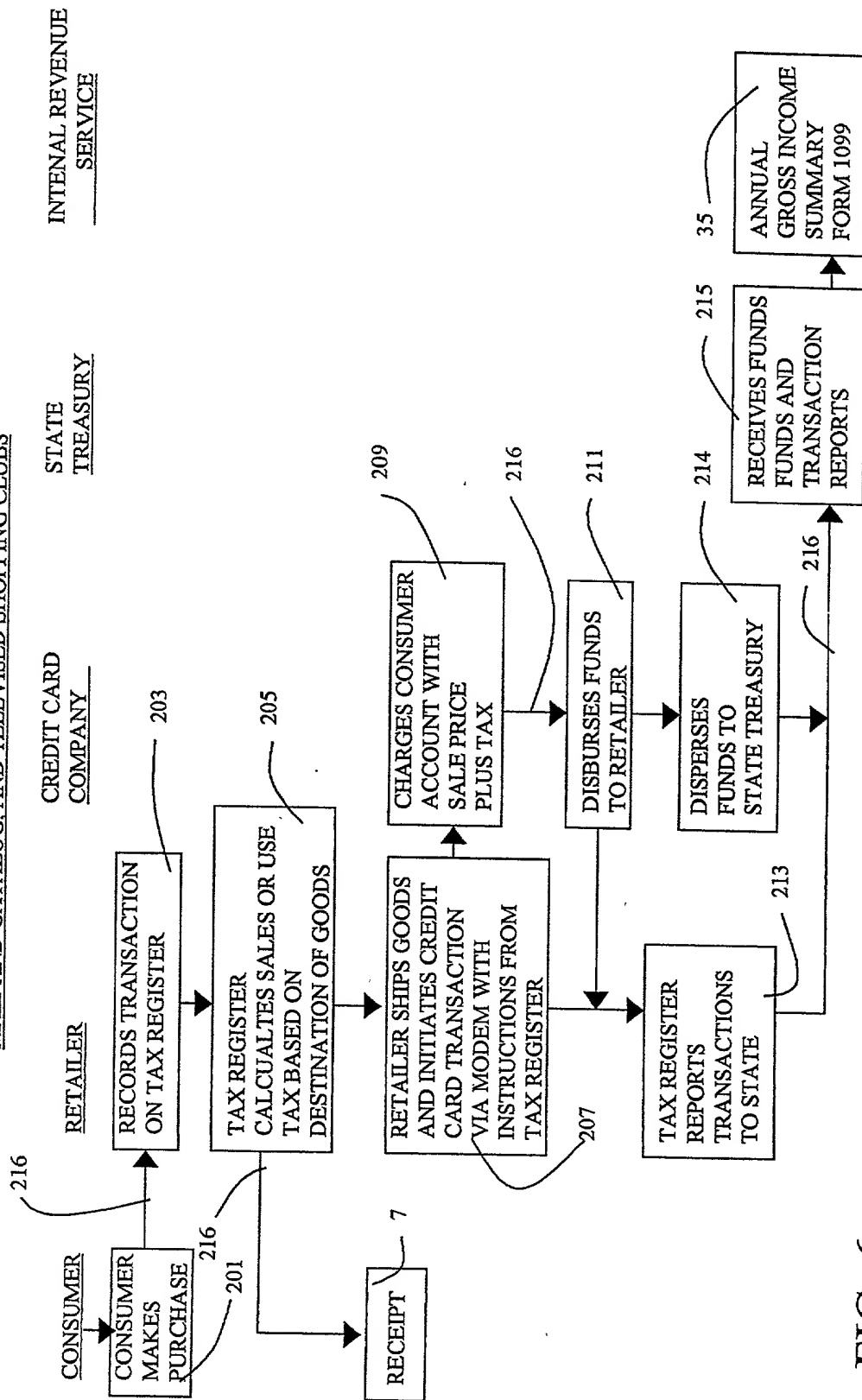


FIG. 6

POINT OF SALE
SYSTEM FOR MAKING MULTIPLE PAYMENTS TO VARIOUS
PAYEES FROM A SINGLE CREDIT CARD TRANSACTION
OR ANY OTHER FORM OF ELECTRONICALLY
GENERATED PAYMENT

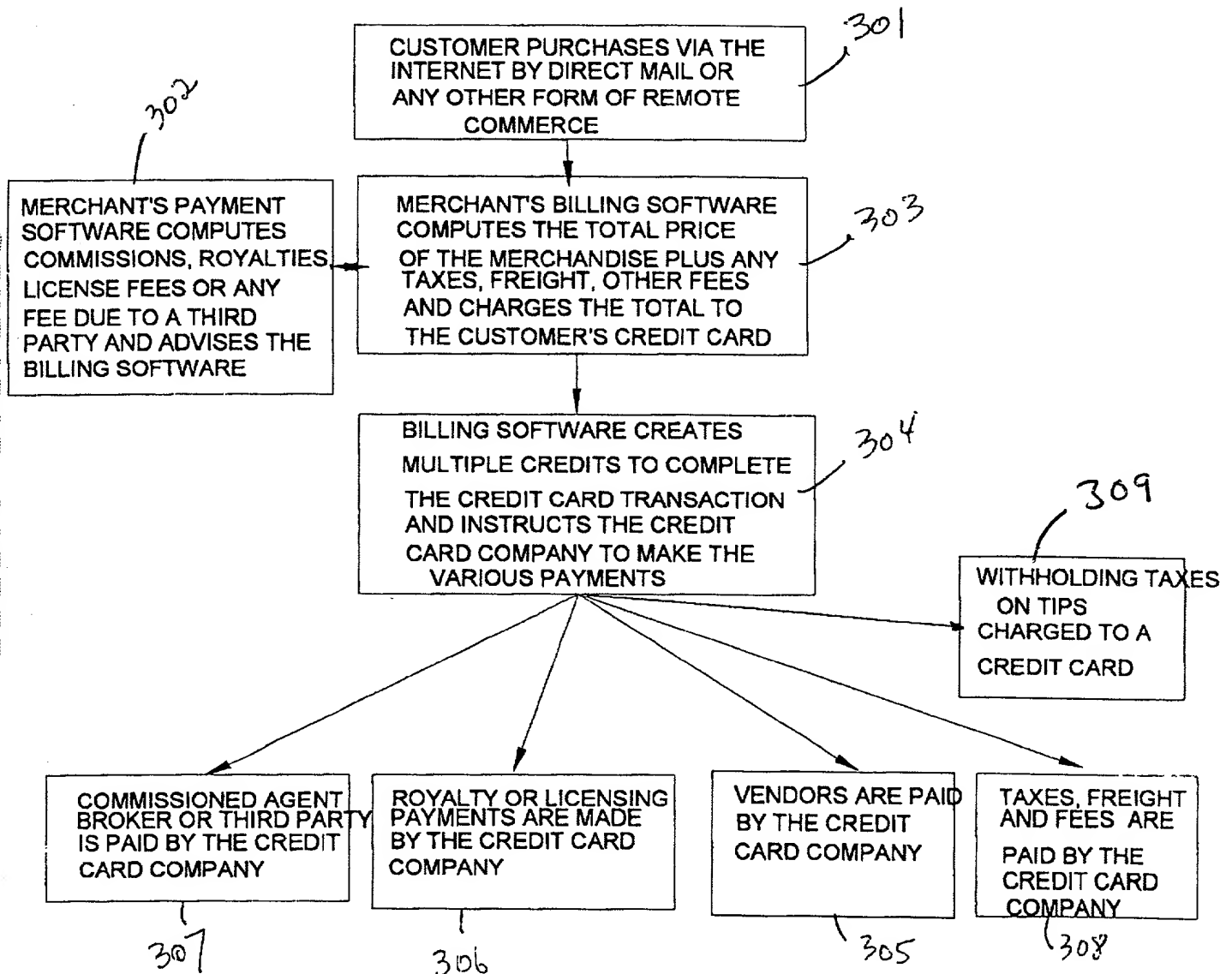


FIGURE 1